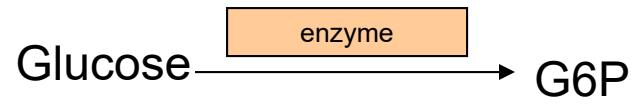
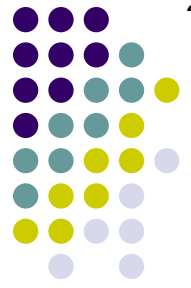


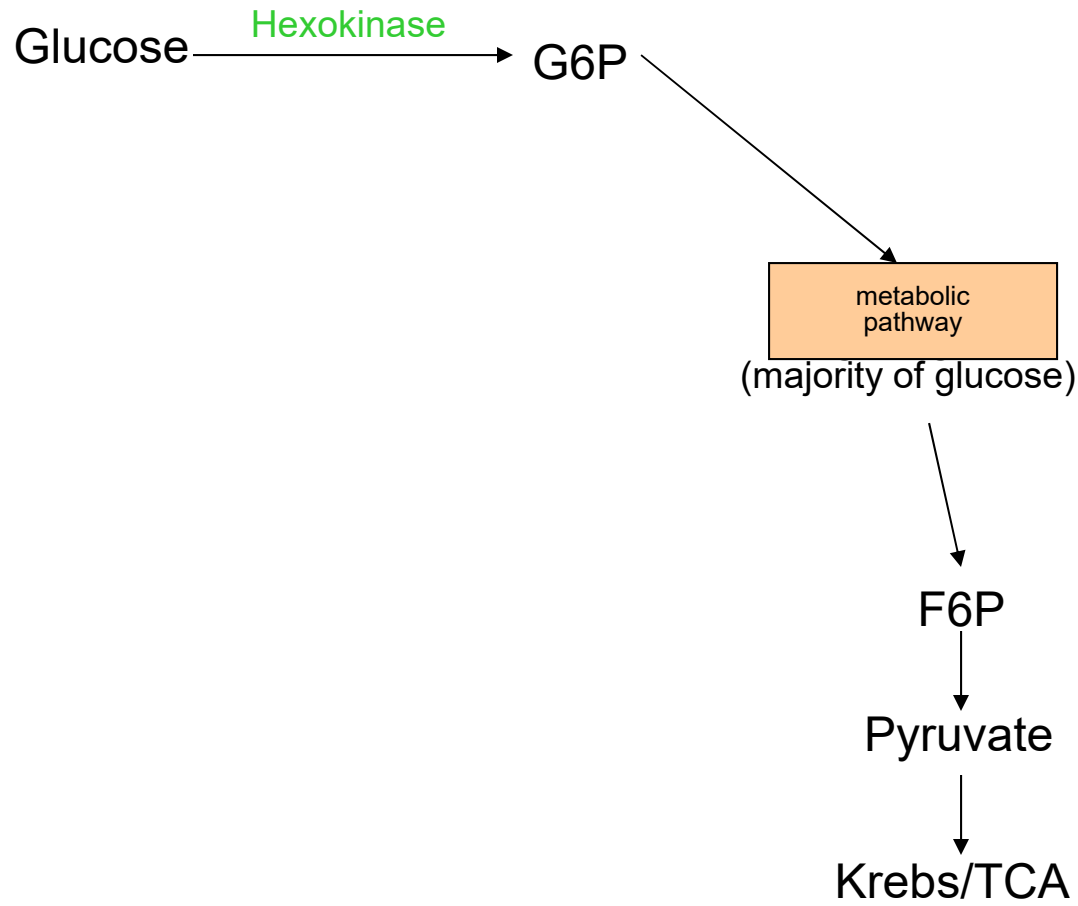
Lens Metabolism

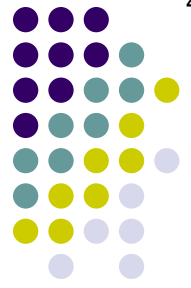


Lens Metabolism

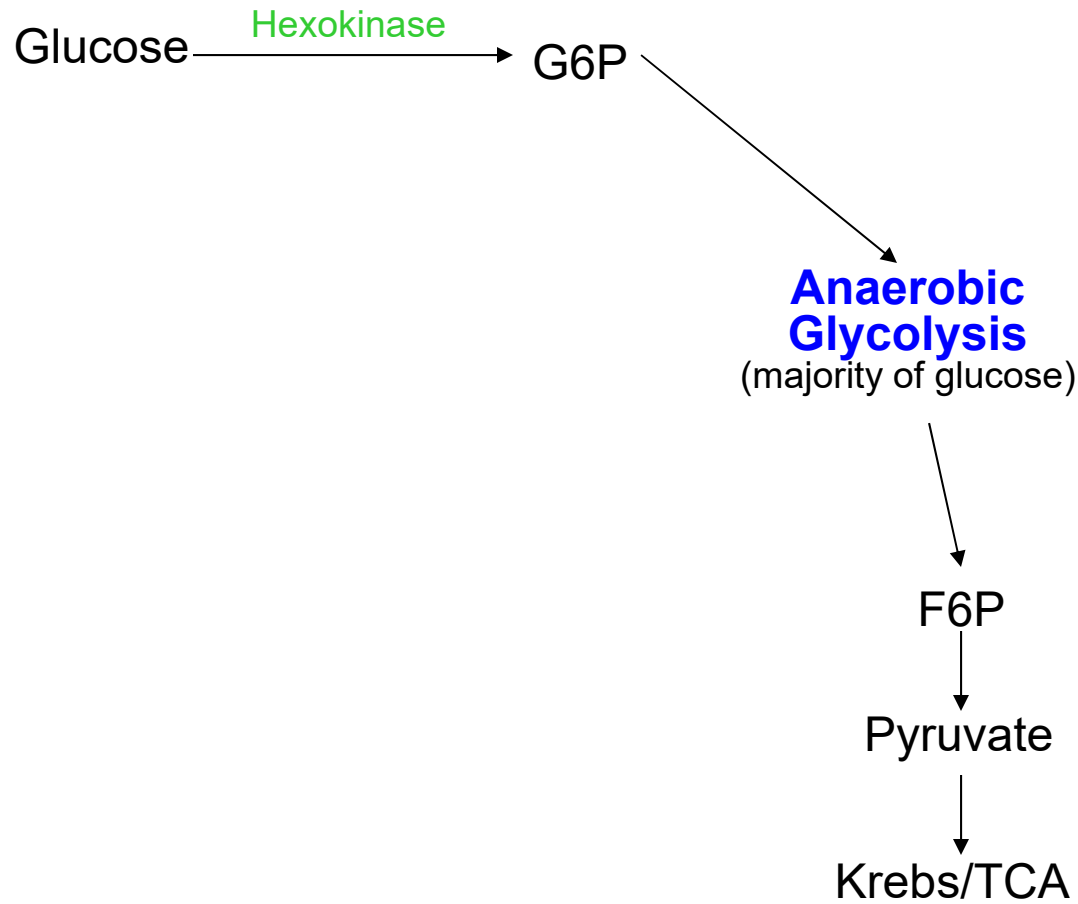


Lens Metabolism

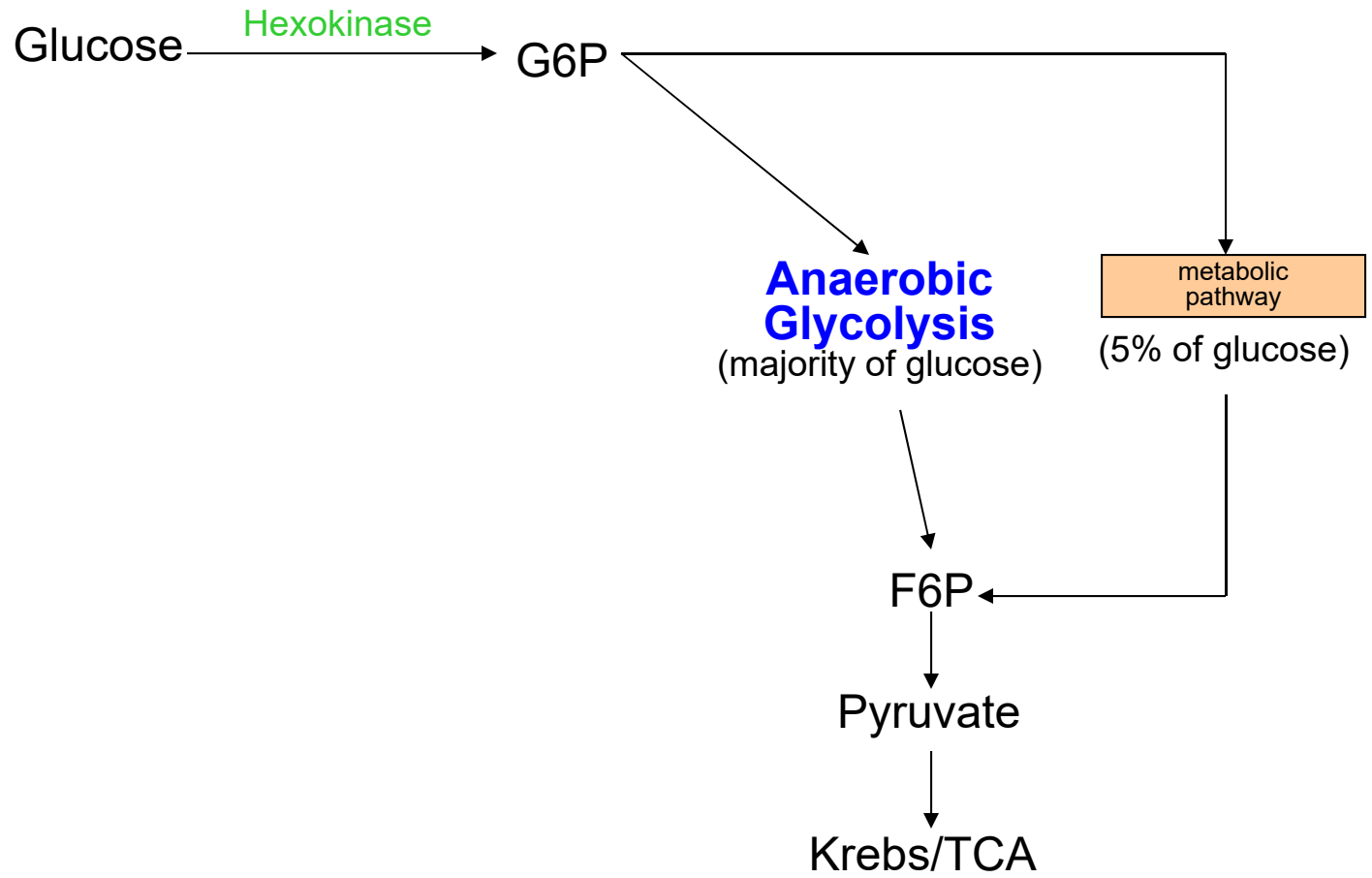
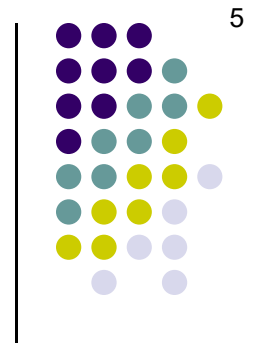




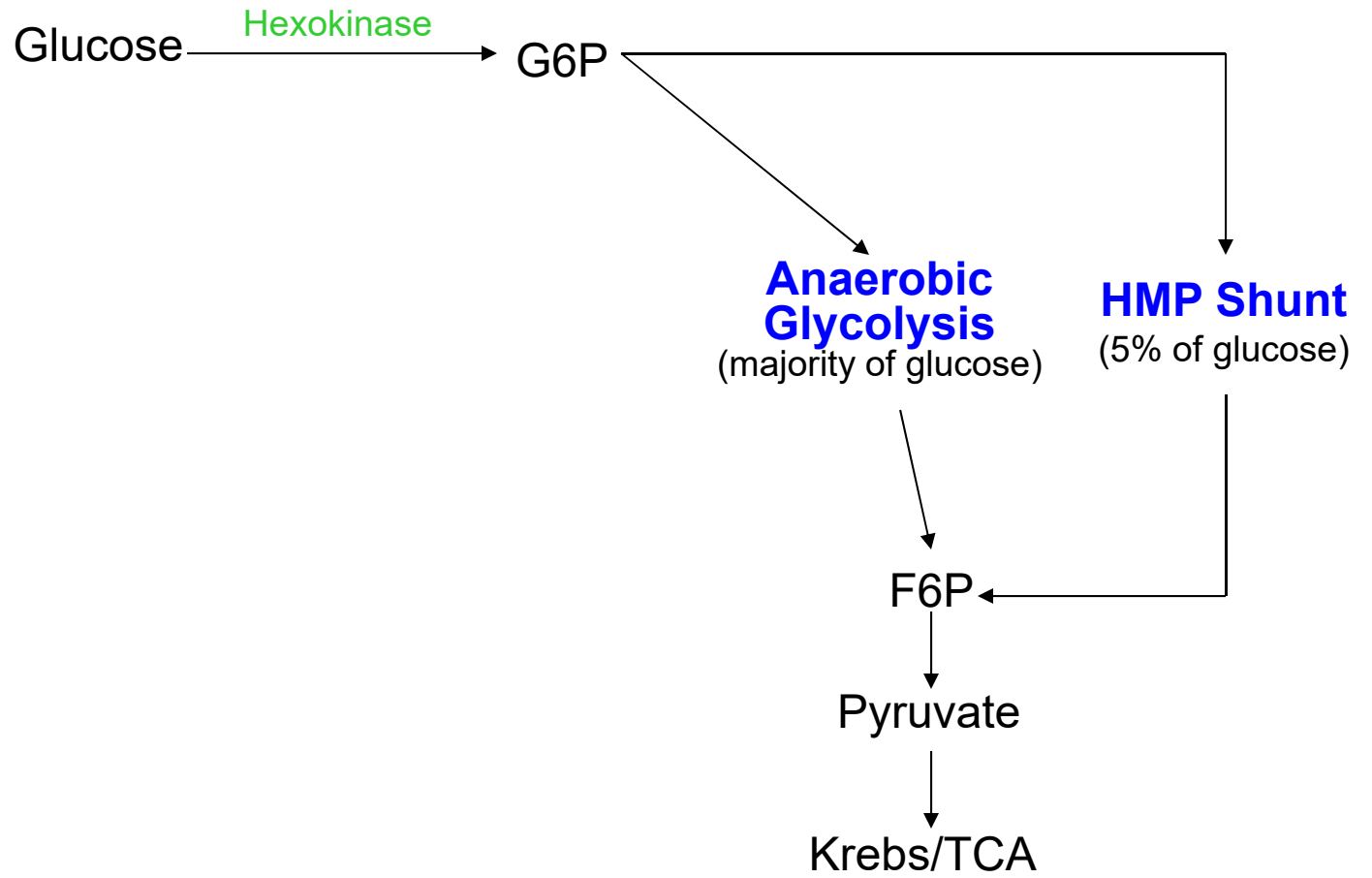
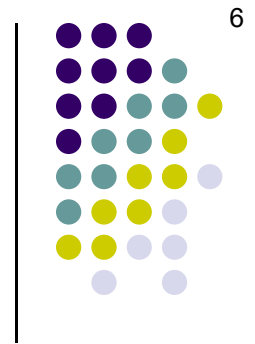
Lens Metabolism



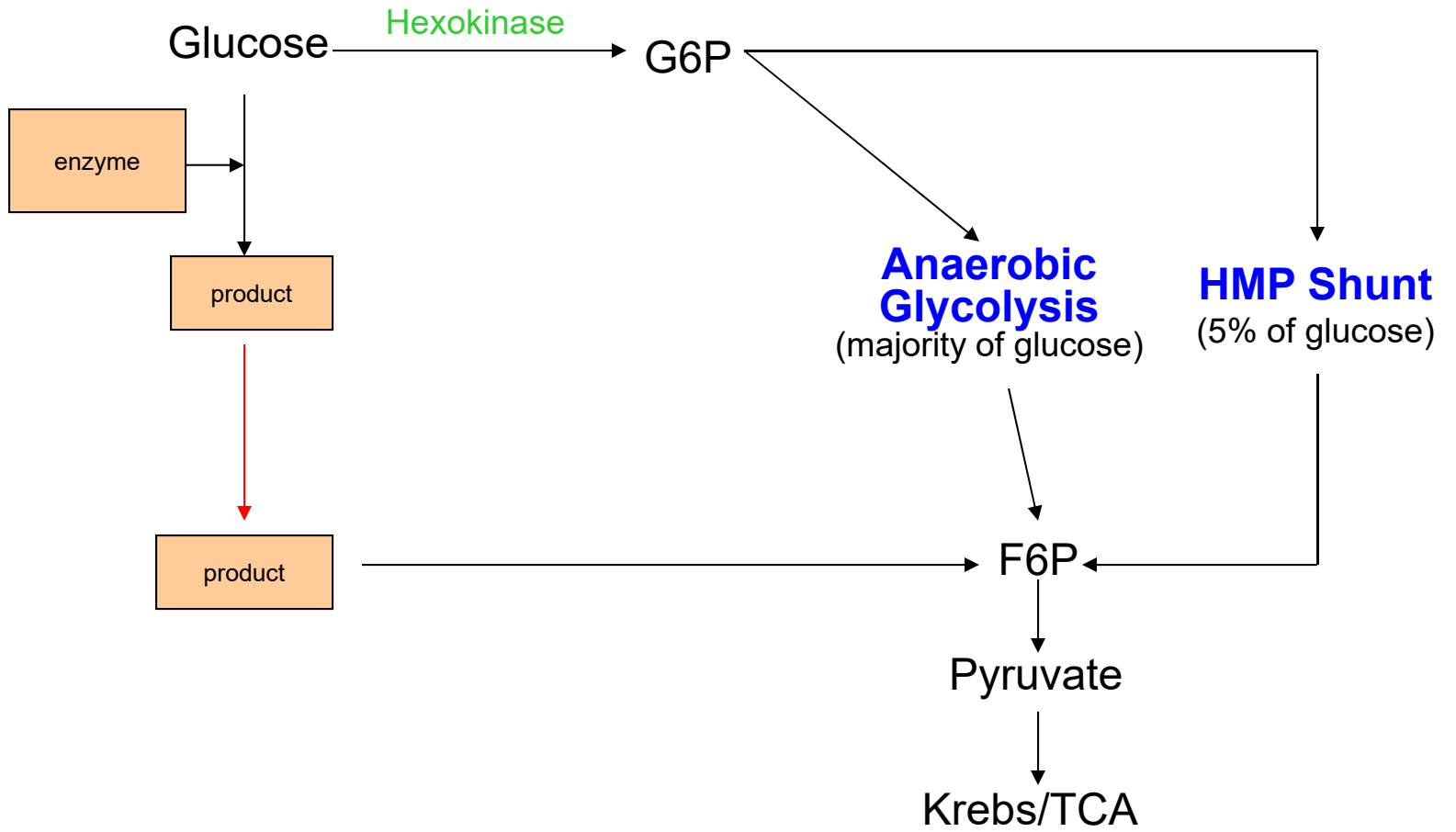
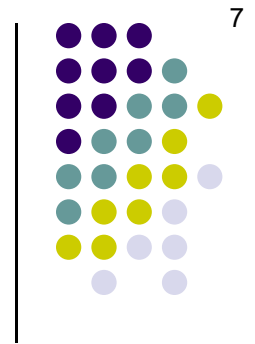
Lens Metabolism



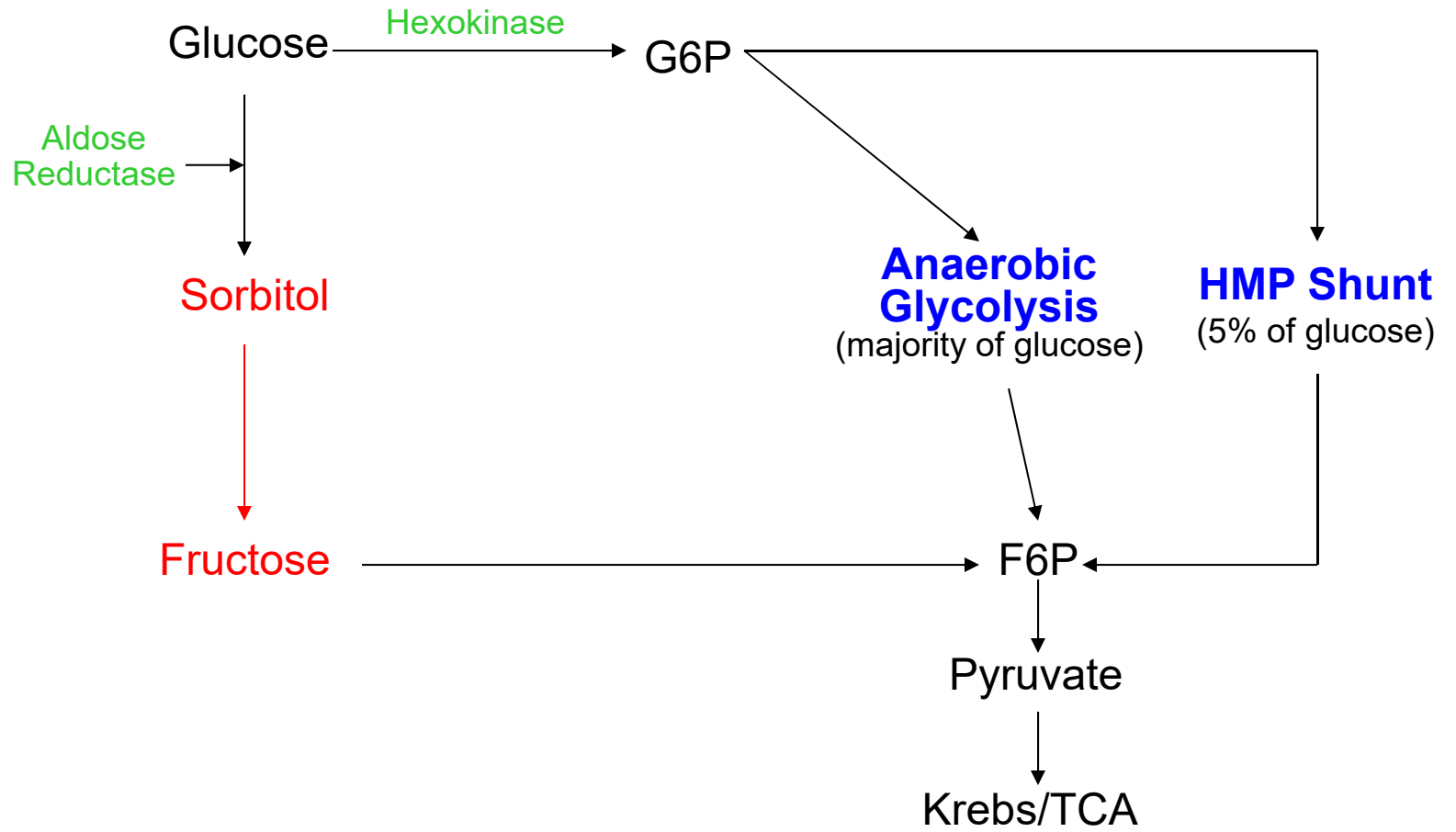
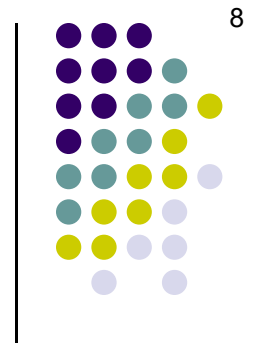
Lens Metabolism

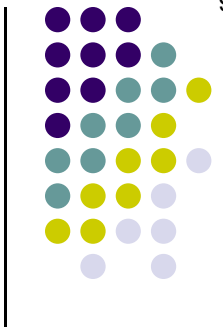


Lens Metabolism

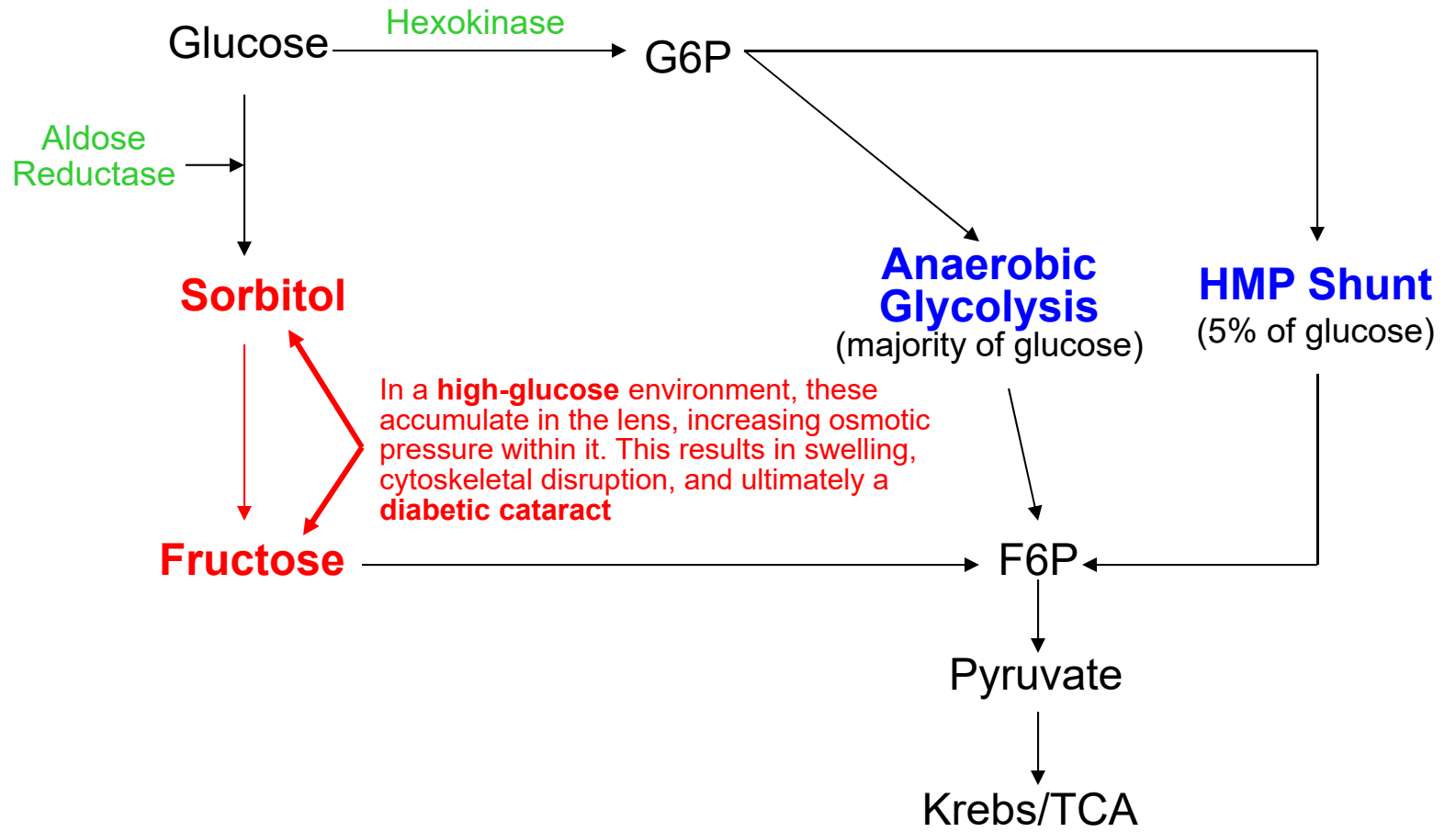


Lens Metabolism



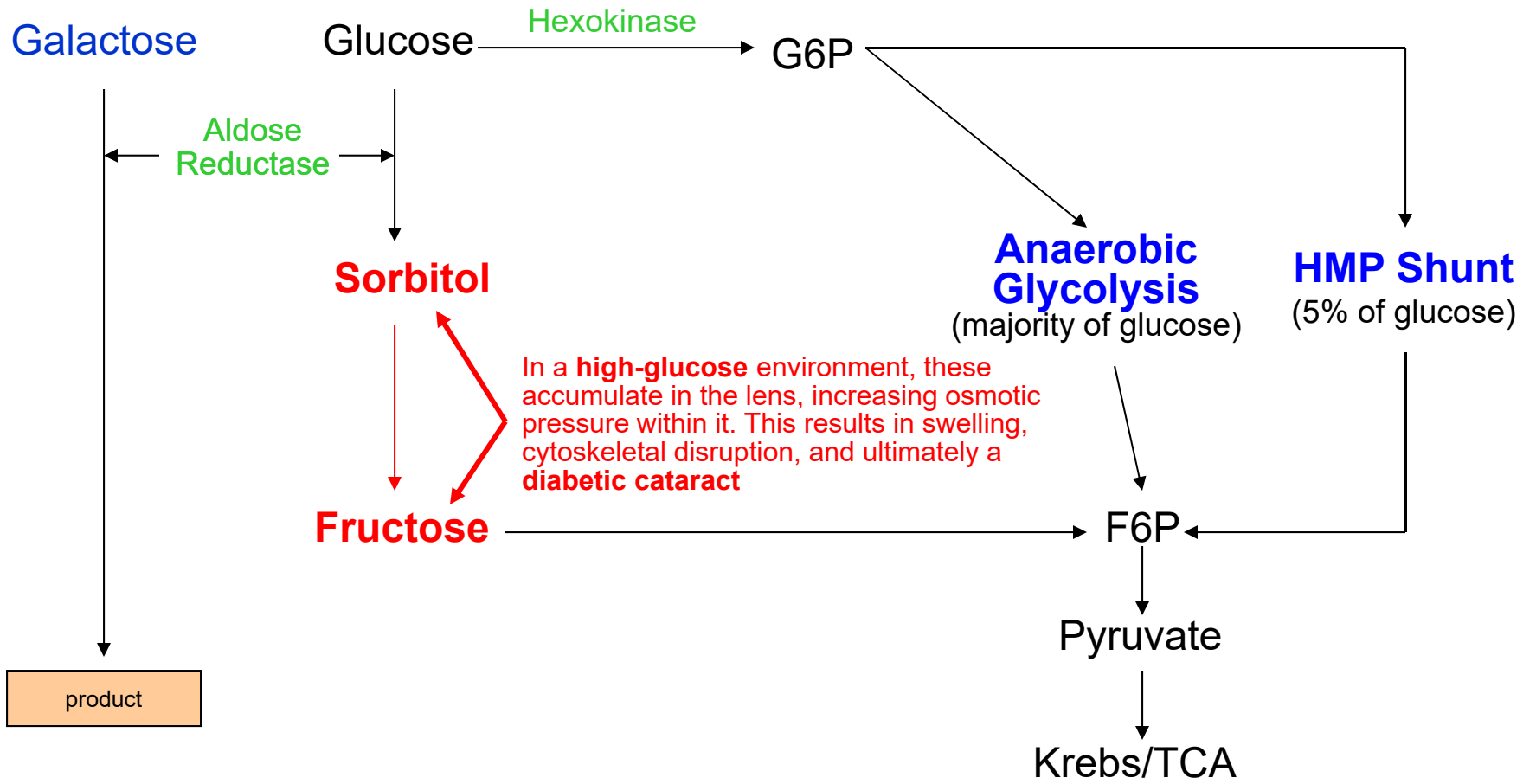


Lens Metabolism



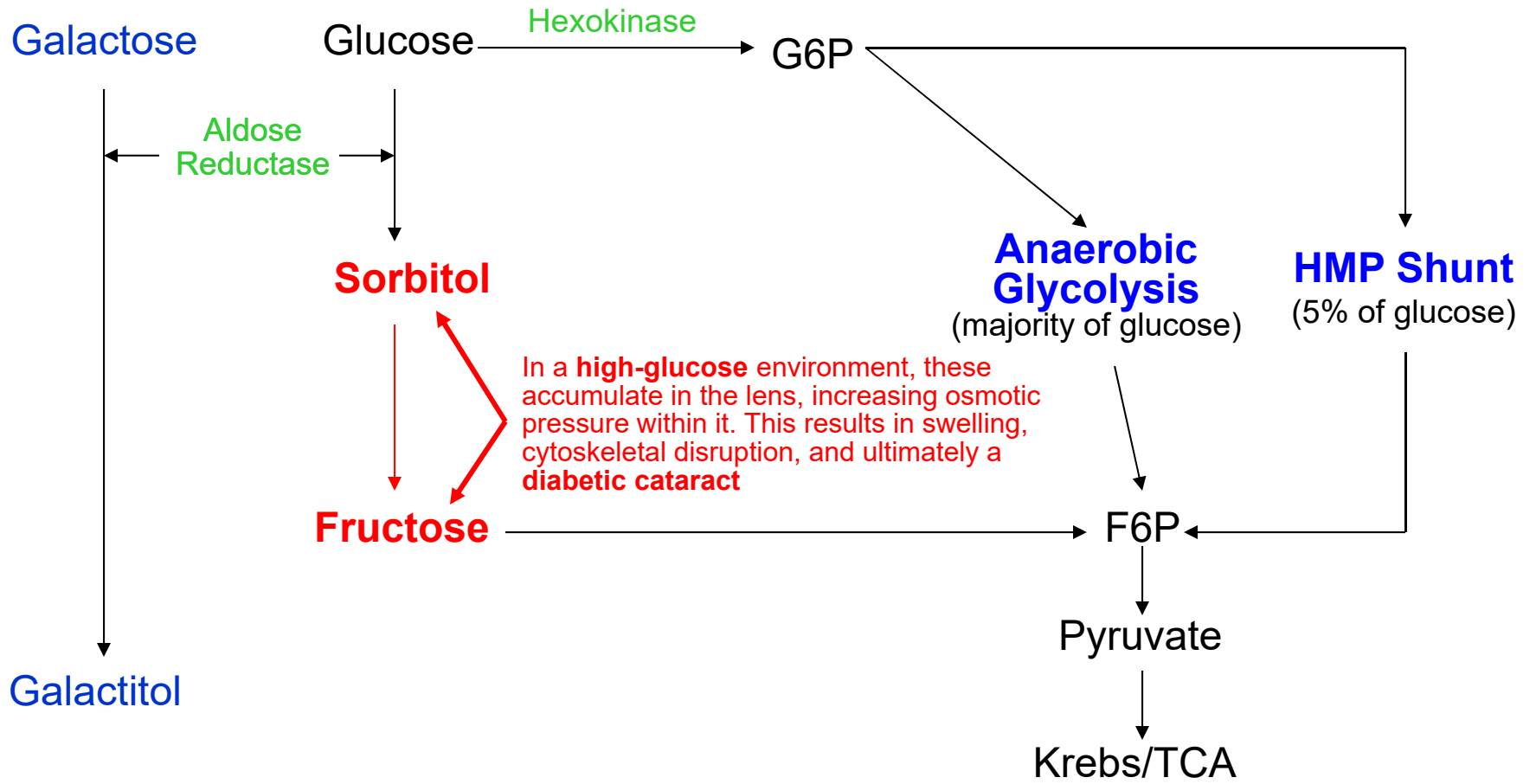


Lens Metabolism



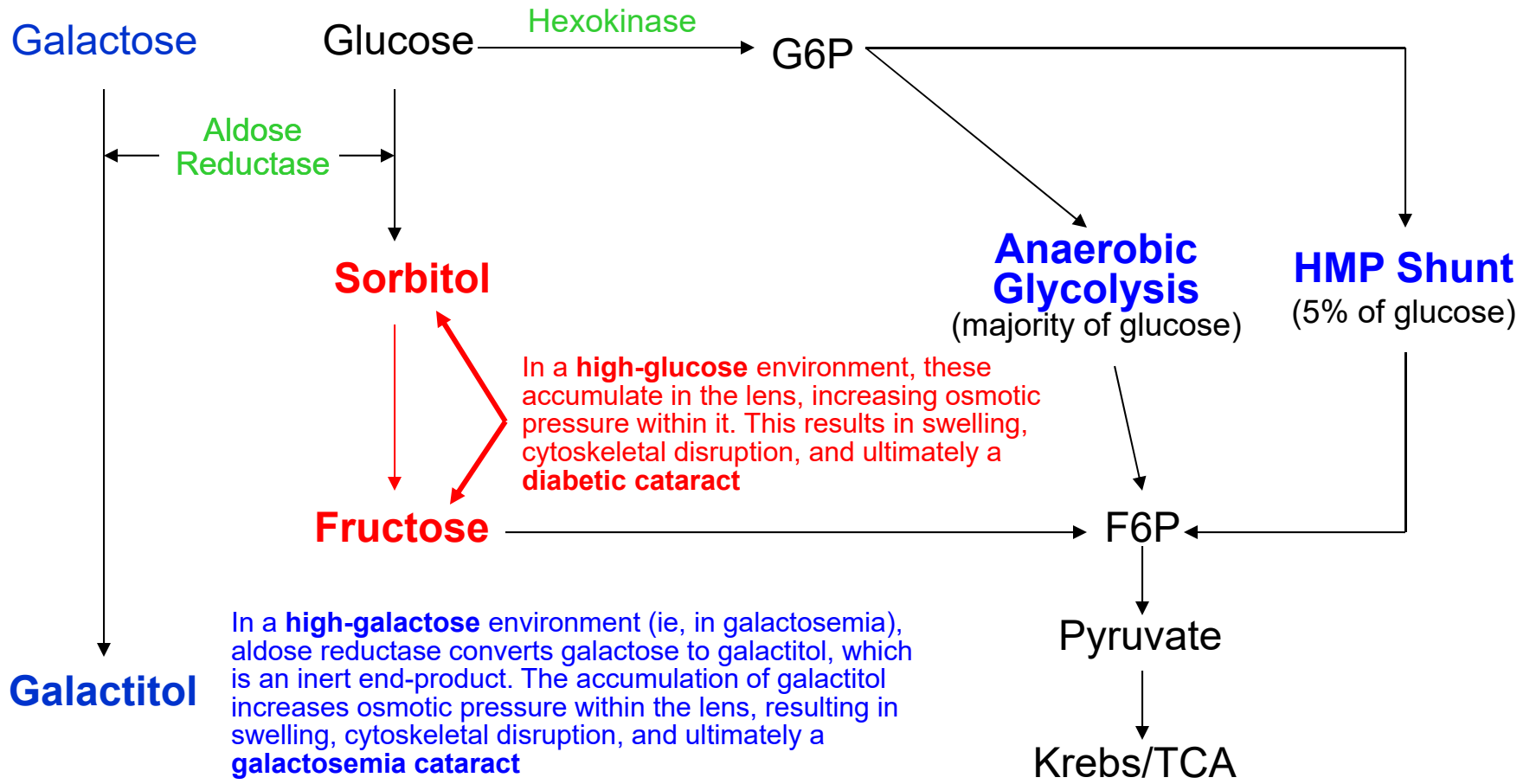


Lens Metabolism





Lens Metabolism



Lens metabolism is dependent upon the presence of glucose, not oxygen. Even in zero-oxygen environment (such as can be created in the lab), a lens will remain transparent and viable so long as it has an adequate glucose supply. However, in the reverse environmental situation—that is, one in which oxygen is abundant but glucose is absent—the lens will become cloudy and nonviable in a matter of hours.

